

# FOLIO

## GM Awards Grant to University

A \$28,500 grant to conduct analytical studies of acoustic absorption in vehicle interiors has been awarded by General Motors Corporation to The University of Alberta.

The presentation was made to P.F. Adams, the University's Dean of Engineering, by Dr. Mounir M. Kamal, head of the Engineering Mechanics Department of the General Motors Research Laboratories.

The one-year renewal grant will be used by A. Craggs, a Professor in the Department of Mechanical Engineering, to continue his research on acoustic absorption. Dr. Craggs is well known for his work in computer modelling using the finite element analysis method, and has broad experience in applying this type of modelling to



*The presentation of General Motors' \$28,500 cheque to support research into problems of acoustic absorption. From left to right: M.L. Achmatowicz and M.M. Kamal of General Motors, and Dean Adams and A. Craggs of the Faculty of Engineering.*

automotive noise problems. For the past six years he has served as a consultant to the General Motors Research Laboratories in Warren, Michigan.

Dr. Cragg's modelling studies will complement experimental and modelling work which is being

continued at GM Research.

"New passenger car designs using lightweight materials and more stringent government regulations limiting noise levels in truck and locomotive cabs have increased the need to control noise generated by these vehicles", Dr.

Kamal explained. "One aspect of the vehicle noise problem requiring additional research is the control of noise in passenger compartments through the use of absorptive materials. Knowledge of absorptive materials and structures also is required for improving the design of automotive mufflers."

A native of England, where he obtained his bachelor's and doctoral degrees, Dr. Craggs worked at the Motor Industries Research Association and at the Institute of Sound and Vibration Research in England before moving to The University of Alberta at Edmonton in 1969. He has authored several publications on the application of finite element modelling to automotive acoustics. □

## Associate Vice-President Appointed

In the 31 July issue of *Folio* President Horowitz stated that, inter alia, Associate Vice-Presidents would be appointed to assist Vice-Presidents Baldwin and Phillips. The first appointment which became effective on 1 September 1980, is that of R.D. Bercov to the position of Associate Vice-President (Academic). Dr. Bercov, Professor of Mathematics, succeeds W.F. Allen who has assumed the position of Associate Vice-President (Finance and Administration).

A native Edmontonian, Dr. Bercov was granted a BSc (Honors) by The University of Alberta in 1959 and a PhD by the California Institute of Technology in 1962. This time frame is also



*R.D. Bercov*

significant to Dr. Bercov in that he received the Governor General's Gold Medal (1959), a

Woodrow Wilson Fellowship (1959-60), and a General Electric Fellowship (1961-62).

After a year as a Research Associate at Cornell University, he returned to The University of Alberta as an Assistant Professor of Mathematics. He was appointed Associate Professor in 1967 and full Professor in 1974. Dr. Bercov was Visiting Associate Professor at the University of Washington in 1969 and held the same status at the California Institute of Technology in 1971-72.

He served as Vice-President of the Canadian Mathematical Society from 1975 to 1977 and as Chairman of its Publications Committee in 1977-78. From 1970 to 1974, he was Editor-in-Chief of

the Canadian Mathematical Bulletin. Dr. Bercov is very much aware of the workings of the Association of the Academic Staff, University of Alberta, having served as that body's President in 1975-76. In the words of Vice-President Baldwin, "Dr. Bercov will bring to our circle an impressive analytical and problem-solving ability and (as ex-President of the AASUA and the Canadian Association of University Teachers) a highly developed insight into the attitudes and needs of academic staff. In addition, he has had the most recent and therefore current experience of any of us in central administration in full-time teaching and research activity." □

# The Faculty Women's Club New Executive Committee

Since its inception 47 years ago, the Faculty Women's Club of The University of Alberta has been meeting for conversation and fellowship. The membership, which includes honorary and retired members and newcomers to the campus, embraces the women of the Faculties and the wives of faculty members of the University. The women who are the wives of administrative professional officers, post-doctoral fellows, and research associates are also among its members.

White gloves and formal teas are more in the past; today, "interest groups" provide the activities around which friendships may develop among people who might not otherwise meet at so large an institution. In the thirty groups, the interests range from books, quilting, bridge, fitness, and cross-country skiing to gourmet cooking.

Each Faculty's representative serves a two-year term and acts as a liaison between the Executive Committee and her Faculty members.

The Executive Committee for 1980-1981 is:  
*Honorary President:* Barbara Horowitz (434-5696); *Past President:* Betty Smith (432-0623); *President:* Kathy Marsden

(434-8859); *Vice-President, Interest Groups Chairman:* Shirley Larke (436-1974); *Membership Secretary, Medicine, Nursing, and Rehabilitation Medicine (1)\*:* Valerie Bauld (436-0506); *Recording Secretary, Engineering (2):* Barbara Bentsen (435-6949); *Corresponding Secretary, Member-at-Large (1)\*\*:* Helen Peters (434-0693); *Treasurer, Business Administration and Commerce (2):* Hedy Denham (434-9182); *Ticket Chairman, Law (1):* Isabel Barker (434-0569); *Social Convener, Dentistry (2):* Geraldine McCutcheon (434-0926); *Publicity Chairman, Science (1):* Dorothy Ayer (439-0853); *Assistant Membership Secretary, Agriculture and Home Economics (1):* Margaret Robertson (434-6054); *Assistant Treasurer, Pharmacy and Pharmaceutical Sciences (1):*

Elfrieda Friesen (436-0926); *Assistant Ticket Chairman, Arts (1):* Carol McKill (437-5467); *Assistant Social Convener, Physical Education and Recreation (2):* Dodie Smith (483-4735); *Assistant Social Convener, Education and Extension (1):* Madeleine Miklos (434-8045); *Honorary and Life Members (2):* Muriel Affleck (434-7886).

The Membership Tea will be held at the Faculty Club on Saturday, 13 September 1980 from 2 to 4 p.m. All eligible members are cordially invited to attend, renew memberships, enroll in the "interest groups" and relax with friends. For further information, please contact the

executive.  
Also planned for the new academic year are: October—Fall Luncheon with guest speaker; February—An evening at Labatts with guest speaker; March—Spring Luncheon with guest speaker; April—Annual General Meeting Dinner at the Faculty Club; and May—Spring Tea for the Honorary and Retired Members. □

*\*Year of two-year term.*  
*\*\*Member-at-Large represents Administration, Chaplains, Interdisciplinary Studies, Library Science, Affiliated Colleges, Research Council, and Graduate Studies and Research.*

## University of Alberta Library Hours Winter Session 1980-81

*Variations from these hours will be posted at library entrances.  
Effective 8 September 1980.*

	Monday - Thursday	Friday	Saturday	Sunday
<b>Cameron Library</b>				
Building open	0745 - 2400	0745 - 2100	1000 - 1700	1200 - 2400
Circulation Services	0745 - 2145	0745 - 1745	1000 - 1645	1200 - 1945
Fines Collection	0800 - 1630	0830 - 1630	Closed	Closed
Government Publications	0830 - 2130	0830 - 1700	1200 - 1700	Closed
Health Sciences Library	0830 - 2130	0830 - 1800	1000 - 1700	1200 - 1600
Interlibrary Loan	0830 - 1630	0830 - 1630	Closed	Closed
Micromaterials	0830 - 2100	0830 - 1700	1200 - 1700	Closed
Photoduplication	0830 - 1630	0830 - 1630	Closed	Closed
Science Library	0830 - 2130	0830 - 1800	1200 - 1700	No service
Reserve Reading Room	0745 - 2000	0745 - 1700	1000 - 1700	1200 - 1700
Special Collections (to Oct. 13)	0830 - 1630	0830 - 1630	Closed	Closed
From Oct. 14 Tues - Thurs.	0830 - 2130 Mon & Fri	0830 - 1630	Closed	Closed
Undergraduate Library	0830 - 1700	0830 - 1700	No service	No service
<b>Herbert T. Coutts (Education) Library</b>				
Building open	0745 - 2200	0745 - 1800	1000 - 1700	1000 - 1800
Circulation Services	0745 - 2145	0745 - 1745	1000 - 1645	1000 - 1745
Reference Services	0800 - 2130	0800 - 1700	1000 - 1700	1300 - 1700
Reserve Room	0745 - 2130	0745 - 1730	1000 - 1700	Closed
Curriculum Library	0800 - 2130	0800 - 1700	1000 - 1700	1000 - 1800
<b>Law Library</b>	0745 - 2400	0745 - 2200	0830 - 1700	1200 - 2400
<b>Mathematics Library</b>	0900 - 1200	0900 - 1200	Closed	Closed
	1300 - 1700	1300 - 1700		
<b>Physical Sciences Library</b>	0900 - 1700	0900 - 1700	Closed	Closed
<b>Rutherford Libraries (Humanities &amp; Social Sciences)</b>				
<b>Rutherford North</b>				
Building open	0745 - 2400	0745 - 2100	1000 - 1700	1200 - 2400
Circulation Services	0745 - 2145	0745 - 1745	1000 - 1645	1200 - 1945
Reference Services	0830 - 2130	0830 - 1800	1200 - 1700	1300 - 1700
<b>Rutherford South</b>				
Periodicals Reading Room	0830 - 2100	0830 - 1800	1200 - 1700	Closed
Bound Periodicals Circulation	0830 - 2100	0830 - 1745	1200 - 1645	1200 - 1800
Bound Periodicals Checkpoint	0830 - 2400	0830 - 2400	1200 - 2400	1200 - 2400.
<b>Rutherford South Study Hall</b>	0700 - 0200	0700 - 2400	0700 - 2400	0900 - 0200
<b>John W. Scott Library</b>	0900 - 2200	0900 - 2200	0900 - 1700	1300 - 1700

## FOLIO

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All inquiries and correspondence should be directed to:

Folio  
Office of Community Relations  
423 Athabasca Hall  
University of Alberta  
Edmonton, Alberta T6G 2E8  
Telephone: (403) 432-2325  
The Office of Community Relations produces Folio on a weekly basis for the staff and other interested persons

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# Letters

■ As one knows, a wagon exists on campus for the disposal of discarded newspapers—all bundled up, etc.

I'm sure there are others like myself who subscribe to magazines that other folk would like to read or take home after we're through with them.

Rather than discard these magazines to the disposal unit, is there any location where one might leave these for the public?

Please don't suggest departmental 'coffee' rooms, as I notice in several of these rooms that many such magazines sit there forever unused and outdated.

One central place for all donors or avid 'scavengers' would be best.

*Signed Letter*

## people

**R.L. Busch**, Slavic Languages and Division of East European Studies, presented a paper on "The Myshkin-Ippolit-Rogozhin triad" in Dostoevsky's novel *The Idiot* at the IV International Dostoevsky Symposium held in Bergamo, Italy, 17 to 23 August 1980.

**J.G. Paterson**, Faculty of Education, has been reappointed as the Chairman for the Advisory Committee on University Affairs. This Committee is responsible to the Minister of Advanced Education and Manpower.

**J. William Lown**, Department of Chemistry, presented an invited lecture on "Molecular Mechanisms of the Cardiotoxicity of Antitumor Anthracyclines" at Stanford Research Institute, Menlo Park, California on 22 August. He also presented an invited lecture entitled "Mechanisms of Action of Antitumor Antibiotics" at the Northwest Nucleic Acids Conference in Banff, 4 to 7 May, and an invited lecture entitled "Reactive Oxygen Species Implicated in the Mode of Action of Certain Antitumor Antibiotics" at the Canadian Federation of Biological Societies satellite

Cancer Symposium in St. John's, Newfoundland 9 to 13 June.

**L.C. Green**, University Professor, Department of Political Science, has been appointed to the Board of Constitutional Association, care of Rutgers Law School, and also the Board of Human Rights Advocates International, New York.

## publications

**Zelmer, A.E.** (Associate Vice-President [Academic]): Teaching with Simulations and Games in the Health Sciences—The Potential of an Undeveloped Area. In *Perspectives on Academic Gaming and Simulation* 5. Ed. P. Race and D. Brook. London: Kogan Page Limited, 1980: pp. 55-60.

— An Overview of Simulation Games and Comments of Their Use in Baccalaureate Education: A Response. *Nursing Papers* 12, No. 2. (1980): pp. 46-47.

— and A.C.L. Zelmer: The Community Worker Simulation: A Comparison Between Manual and Computer Assisted Versions. *Simgames* 7, No. 4 (1980): pp. 19-23.



Organist Gerhard Krapf will be featured in a recital presented by the Department of Music in Convocation Hall on 19 September. The University Concert Choir will also take part and the presentation will commence with the showing of a video tape produced by the University's Division of Radio and Television showing in a non-technical way the construction of a tracker organ. The evening's activities which begin at 7:15 p.m. are free and the public is encouraged to attend.

## service information

Music will be presenting the video tape "A Sound Story. Views On Tracker Building," and a recital by Gerhard Krapf and members of the University Concert Choir.

The video tape was produced by the Department of Radio and Television of The University of Alberta in conjunction with the installation of the organ in Convocation Hall. This is a non-technical presentation showing a historical survey, basic aspects of tracker organ construction, pipe making, voicing, tonal finishing, key and stop action, casing, blower plant, and proofing.

Dr. Krapf will be playing organ works by Bach, Britten, Brahms, Raison, and Krapf.

The presentation will be held on 19 September at 7:15 p.m. in Convocation Hall. The public is invited to attend free of charge.

## Coming Events

### Music

Department of Music  
On 19 September the Department of

### **Provincial Museum**

7 September. 2 p.m. Spirit River String Band. French and Irish songs.

8 September. 8 p.m. A benefit recital by Angela Cheng.

14 September. 2 and 3 p.m. Ibero-American Festival, Ibero-American dancers.

### **Jubilee Auditorium**

7 September. 8 p.m. Burton Cummings.

9 September. 8 p.m. Kris Kristofferson.

12 and 13 September. 8 p.m. Edmonton Symphony Orchestra with Young-Uck-Kim, violin.

14 September. 8 p.m. Pat Benetar.

### **Edmonton Public Library**

11 September. 8 p.m. Mal Waldron Jazz Concert. Centennial Library Theatre.

### **SUB Theatre**

13 September. 8 p.m. Ultra Vox in concert.

### **McKernan Community**

#### **League Hall**

16 September. 8 p.m. International Folk Dancing first meeting. For more information please call Jean Weichman, 435-7811.

### **The Richard Eaton Singers**

The Richard Eaton Singers, under the direction of Dr. Larry Cook invite prospective new members to audition for the 1980-81 season. Auditions will be held in Room 1-29 Fine Arts Building on Saturday, 6 September from 9:30 a.m. until 6 p.m. For an audition appointment please phone Carolyn Machell at 436-3342 or Evelyn Norman at 434-2033.

### **Edmonton Philharmonic Society**

The Philharmonic is starting a new season of rehearsals and concerts. Rehearsals are weekly on Monday evenings. Inquiries to publicity director Leslie Bella, 435-8467, or 432-5702 (days).

### **Films**

#### **Edmonton Public Library**

##### **Shirley Temple Film Series**

6 and 7 September. 2 p.m. "Bright Eyes" (1934). Please note that the performance on 7 September will start at 2:15 p.m. At 1:30 p.m. there will be a gymnastics demonstration by the Edmonton Motor Rhythmic Gymnastic Association. Centennial Library Theatre.

### **Provincial Museum**

6 September. 1, 3, and 4 p.m. Nature Films.

#### **Australian Films**

6 September. 2 p.m. "The Islanders," "Man in the Desert," "The Line Across Australia."

7 September. 4 and 7 p.m. "Aborigines of the Sea Coast," "Desert People."

13 September. 2 p.m. "The Great Barrier Reef," "Alice Springs—Red

Heart," "Wide Pastures."

14 September. 4 and 7 p.m. Films on Spain and Mexico.

### **SUB Theatre**

11 September. 7 p.m. and 9:30 p.m.

"Kramer Vs. Kramer" (1979).

12 September. 7 p.m. and 9:30 p.m. "Animal House" (1978).

15 September. 8 p.m. "The Young Master" (1979, Hong Kong).

16 September. 7 p.m. (one show only). "The Deer Hunter" (1977).

17 September. 7 p.m. and 9:30 p.m. "Being There" (1979).

18 September. 8 p.m. First of a series of Bergman films. "The Seventh Seal" (1956). Discussion to follow in Theatre Lobby.

### **Theatre**

#### **SUB Theatre**

14 September. 7 p.m. Punjabi Cultural Program. For ticket information please call 432-1684.

### **Workshop West**

17 to 28 September. "Of the Fields, Lately." Tickets available at all BASS outlets and at the door.

### **Exhibitions**

#### **University Registration**

5 September. 8:30 a.m. to 4:30 p.m.

An exhibition of human mobility and crowd dynamics, eagerness and frustration (the last may be especially apparent shortly before 4:30 p.m.)

#### **Rutherford Library Galleria**

Continuing. "Canada's West: Photographs from the University of Alberta Archives." A selection of historical photographs relating to Western Canada.

#### **University Special Collections**

"Sing, Shining Republic! Highlights of American Poetry, 1809-1978." B37 Cameron Library.

#### **Devonian Botanic Garden**

Plants in bloom during the third and fourth weeks of September: Aster, Gentiana, Solidago.

The Garden is open to the public Monday to Friday, 10 a.m. to 6 p.m.; 1 p.m. to 6 p.m., Saturdays, Sundays, and Holidays, and can be reached by travelling 10 kilometres west of Edmonton on Highway 16, then 15 kilometres south on Highway 60.

#### **Muttart Conservatory**

A new Sensory Garden Display is now available for the blind and poorly sighted. For further information please call 428-3664.

#### **Beaver House Gallery**

Until 19 September. "Glimpse of the Present," an exhibition of contemporary Alberta painting.

#### **Provincial Museum**

Until 5 October. Australian Aboriginal

Art. Upstairs Lounge.

Until 3 November. "Arctic Images," a graphic exhibition on Arctic exploration and survey in the last century. Feature Galleries No. 1 and No. 2.

#### **Edmonton Public Library**

Until 30 September. Alberta Society of Artists exhibition. Foyer Gallery, Centennial Library.

11 September to 9 October. Photographs tracing the history of the Edmonton Public Library will be featured in the Photography Gallery, Centennial Library.

#### **Ring House Gallery**

Until 2 October. "Five," an exhibition of five Edmonton artists. Opening reception 4 September at 8 p.m.

Until 12 October. "An Investigation of a Personal Photographic History," a group of photographs showing two generations of an Edmonton family.

#### **Students' Union Art Gallery**

Until 21 September. An exhibition of prints and drawings by Lynda Osborne and paintings by Rebecca Burke.

#### **The Print and Drawing**

##### **Council of Canada**

5 September. 8 p.m. The opening of the "2nd Canadian Biennial of Prints and Drawings." Edmonton Art Gallery.

#### **Canadian Native**

##### **Friendship Centre**

6 and 7 September. 10 a.m. Native art and fashion show. A light luncheon will be served in the early afternoon. Small cover charge. 10176 117 Street. Telephone 482-6051.

### **Lectures and Seminars**

#### **Art of Living Club**

3 September. 8 p.m. See posters for topic or phone 483-8519. 159 SUB. West entrance.

#### **Department of Botany**

4 September. 4 p.m. M. Matsuda, Shinshu University, Japan, will conduct a seminar entitled "Physical Production Model." M-149 Biological Sciences Building. Note: Tea and coffee will be served in the seminar room from 3:30 p.m.

#### **Faculty of Pharmacy and**

##### **Pharmaceutical Sciences**

8 September. 3 p.m. "Crystal Engineering: The Modification of Crystal Habit by Trace Additives" by D.J.W. Grant, University of Nottingham, England. 4069 Dentistry/Pharmacy Centre.

#### **Department of Biochemistry**

11 September. 4 p.m. S. Opella, University of Pennsylvania, will present a seminar entitled "NMR Studies of Filamentous Viruses." 227 Medical Sciences Building.

12 September. 11 a.m. A seminar

entitled "Production and Application of Antireovirus Immunoglobulins Secreted by Cloned Hybridoma Cell Lines" will be presented by P. Lee of Duke University Medical Centre, Durham, North Carolina. 4-70 Medical Sciences Building.

### **Sports**

#### **Varsity Stadium**

6 September. 2 p.m. Football vs Saskatchewan.

#### **The Little Bits Riding Club**

7 September. 1 p.m. to 4 p.m. Open house and strawberry tea. 14108 98 Avenue. For further information call 462-0726.

#### **NASA Mixed Curling**

Curling will start on 6 October in SUB, from 7 p.m. to 9 p.m. Interested teams should contact Ann Campbell at 432-4578 or 432-4140.

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## **Non-Credit Courses**

### **Faculty of Extension**

#### **Management of Personal Finances**

Date: 8 September for 12 weeks.

(Mondays). Time: 7 p.m. to 10 p.m.

Fee: \$115. Class limit: 35. Telephone: 432-5066/7.

#### **Management for New Managers**

Date: 8 and 9 September. Fee: \$145

including lunch. Telephone: 432-5066/7.

#### **Managing Investments**

Date: 9 September for 13 weeks. Time:

7:30 p.m. to 9:30 p.m. Fee: \$100

including textbook. (Married couple sharing textbook—\$85 each). Telephone: 432-5066/7.

#### **Latin for Beginners**

Date: 16 September for 12 weeks

(Tuesdays). Time: 7:30 p.m. to 9:30

p.m. Fee: \$50. (text not included). Class limit: 20. Telephone: 432-3033 or 432-2015.

#### **Psychology Courses—**

##### **Personal Development**

##### **Assertion and Interpersonal**

##### **Skills Training—Level 1**

Date: 15 and 16 September. Time:

9 a.m. to 4:30 p.m. each day. Fee:

\$55. Class limit: 30. Telephone 432-5069.

#### **Successful Restructuring**

##### **A Course for Singled Adults**

Date: 16 September for 8 weeks

(Tuesdays). Time: 6:30 p.m. to 9:30

p.m. Fee: \$55. Class limit: 30. Telephone: 432-5069.

### **Faculty of Nursing**

A series of workshops for nurses presented in cooperation with the Faculty of Extension:

#### **Planning and Implementing Staff**

##### **Development**

Date: 8 and 9 September. Fee: \$70.

Telephone: 432-5070.

### *Health Assessment*

Date: 15 September for 10 weeks (Mondays). Fee: \$150. Telephone: 432-5070.

### *Students' Union Art and Craft Classes*

Art Gallery Classes in SUB commence 29 September. Please call 432-4547 for details. Textile Arts Studio classes in HUB commence 22 September. Please call 432-3061 for further information.

### *Grant MacEwan Community College*

#### *Learning Disabilities*

Why can't my child read? Find out from the experts. Learn about the causes and treatment of learning disabilities in a Grant MacEwan Community College evening course 10 September to 17 December. Classes 7 to 10 p.m. Fee \$45. Contact the registrar's office, 429-2503.

## *Notices*

### *Selection Committee Vacancies*

Several vacancies exist on three Selection Committees (Deans) and three Review Committees (Deans). The GFC Nominating Committee invites nominations to fill these positions in accordance with GFC policy as outlined below:

#### *Selection Committees for Deans*

Physical Education and Recreation. One faculty member from a Faculty other than Physical Education and Recreation, and one faculty member to be elected by GFC "from any faculty at the University, including the one concerned."

Engineering. One faculty member from a Faculty other than Engineering.

Science. One faculty member from a Faculty other than Science, and one faculty member to be elected by GFC "from any faculty at the University including the one concerned."

#### *Review Committees for Deans*

Law. One faculty member from a Faculty other than Law.

Home Economics. One faculty member from a Faculty other than the one concerned.

Graduate Studies and Research. Three faculty members from, and elected by, General Faculties Council.

#### *Selection Committees for Department Chairmen*

In addition, nominations are sought for Selection Committees for Department Chairmen with respect to the Departments of Pharmacology and Ophthalmology in the Faculty of Medicine. One person, "not a member of the Department concerned," is required to serve on each of these Committees.

Nominations for all of the above positions should be forwarded to the

Secretary of the GFC Nominating Committee, Mrs. L.M. Plaskitt, 2-1 University Hall (432-4715) and should be accompanied by brief *vita*e.

### *A Global Information Network*

The International Referral System for Sources of Environmental Information (INFOTERRA) is a world-wide network which assists organizations and individuals in locating sources of technical, scientific, and decision-oriented information in the environmental field. It operates as a decentralized network incorporating existing national and international information services and systems.

The network consists of a co-ordinating office at the headquarters of the United Nations Environment Program (UNEP) in Nairobi, Kenya, and an international grid of government-designated National Focal Points. The INFOTERRA office at UNEP, the Program Activity eCentre, also acts as a focal point for international agencies and non-governmental organizations.

INFOTERRA was created by UNEP following the United Nations Conference on the Human Environment, Stockholm, in June 1972. Conceived as the information exchange component of Earthwatch, UNEP's program for the critical assessment of the global environment, INFOTERRA became operational in 1977. It is able to respond to the information needs of users in all countries. Its ultimate object is better environmental management throughout the world.

National Focal Points identify sources of environmental information in each country, region, and sector and feed data on these into the INFOTERRA International Directory of Sources which is published periodically by UNEP and distributed throughout the network. Each National Focal Point consults the International Directory in referring users to sources of environmental information around the world.

The duties of the Canadian National Focal Point are shared between the Intergovernmental Affairs Directorate of Environment Canada and the Department's Library Service; with operational services centred in the latter. In addition to performing INFOTERRA services, the National Focal Point updates and publishes a Directory of Canadian Environmental Experts.

To use the system or to obtain further information, contact: Mrs. Agatha Bystram, Director, Library Services, Environment Canada, Place Vincent Massey, Ottawa, Canada, K1A 1C7, Telephone 997-2485; or Mr. Andrew Malysheff, International Programs Branch, Intergovernmental Affairs Directorate, Environment Canada, Fontaine Building, Ottawa, Canada, K1A 1C7, Telephone 994-1393.

### *Stadium/SUB Pedestrian Link Vandalism*

Due to the exceedingly high cost of

window maintenance resulting from vandalism within the Stadium Car Park/SUB overhead walkway link, the walkway will be closed to pedestrian traffic during the following times: Weekdays: 7 p.m. to 7 a.m. Weekends and holidays: all day.

### *Attention Non-Smokers!*

For non-smokers and those sympathetic to The Cause, GASP will be holding its first general autumn meeting on Tuesday 9 September at 7:30, 147 AVC. We plan to discuss new memberships, fund drives, booths, the no-smoking bylaw outings (dances, restaurant-going, roller-skating parties, progressive suppers and more). For more information, telephone Gloria at 432-3096 or 433-0039.

### *Models Wanted*

People willing to model (portrait, costume, or nude) are required by the Visual Arts Division, Faculty of Extension. Classes are usually of three hours duration and the rate of pay is set at \$7 per hour. For more information, please telephone 432-3034 or apply to 227 Corbett Hall.

### *Dried Flower Arrangements*

Arrangements of dried flowers are now available from the Devonian Botanic Garden. People who are interested in obtaining such arrangements in their own bowls should telephone Marion Shipley at 433-2645.

### *Project Uni*

Project Uni involving traffic and intersection signal changes will be implemented in the University area on Sunday 21 September.

The major changes are as follows:

111 Street from 90 Avenue to 86 Avenue will become two way. Traffic will continue to be one way south on 111 Street from Saskatchewan Drive to 90 Avenue.

A new traffic signal will go into operation at the 87 Avenue/111 Street intersection. Left turns only will be allowed in the southbound to eastbound direction.

Left turn flash phases will be introduced at the 87 Avenue 112 Street/114 Street Intersections.

87 Avenue from 110 to 112 Streets will be adjusted to allow two eastward and one westbound lane from 111 Street to 110 Street and two westbound lanes and one eastbound lane from 111 to 112 Street.

### *Destruction of Confidential Documents*

Departments are advised that arrangements can be made for the destruction of confidential documents by calling Physical Plant Building Services Division at 432-5224. Highly confidential material should be personally delivered. The actual shredding process can be done personally or through the assistance of Building Services personnel.

## *Scholarships, Fellowships and Awards*

### *Commonwealth Scholarships*

The Canadian Commonwealth Scholarship and Fellowship Committee invites applications to the Commonwealth Scholarship program administered by the Association of Universities and Colleges of Canada. Commonwealth Scholarships are restricted to graduate study and are normally for one or two years. The scholarships are designed to cover travel, living, and study costs of successful applicants during tenure of the award. Candidates must be Canadian citizens who have graduated from recognized universities and, normally, be under 35 years of age. A good knowledge of written and spoken English is required.

The awards may be taken in a variety of Commonwealth countries, have durations of two years, and are normally unrestricted as to the field of study.

Australia (from March 1982, apply by 31 December 1980); Ghana (from 31 October 1980, apply by 31 October 1980); Hong Kong (from September 1981, apply by 31 October 1980); India (from June 1981, apply by 31 October 1980); Jamaica (from October 1981, apply by 31 October 1980); Malaysia (from May 1981, apply by 31 October 1980. Restricted to fields of study at the University of Malaysia); New Zealand (from March 1982, apply by 31 December 1980); Nigeria (from October 1981, apply by 31 October 1980); Sri Lanka (from October 1981, apply by 31 October 1980); Trinidad and Tobago (from October 1981, apply by 31 October 1980. Available only in Tropical Agriculture); Uganda (from October 1981, apply by 31 October 1980. Available only in fields of study at the University of Makerere); United Kingdom (from October 1981, apply by 31 October 1980).

Information about these scholarships may be requested from the Student Awards Office in Athabasca Hall and application forms should be requested from: The Canadian Commonwealth Scholarship and Fellowship Committee, c/o AUCC, 151 Slater Street, Ottawa, Ontario, K1P 5N1.

### *Japanese Government (Monbushu) Scholarship*

The Ministry of Education, Science, and Culture of the Government of Japan invites applications for the scholarship named above. The successful candidate will be a graduate student working in the humanities, or social and natural sciences, a Canadian citizen and under 35 years of age. The award will be held at a Japanese university and the holder will be expected to study the Japanese language. The duration of the scholarship will be from April 1981 to March 1983, or from October 1981 to March 1983. The value of the award is 159,000



yen per month in addition to a transportation allowance, a 25,000 yen arrival allowance, and a 43,000 yen field study allowance.

Further information may be acquired from the Student Awards Office in 252 Athabasca Hall.

Research Grants

**Granting Agencies:**  
**Application Deadlines**  
This list of deadline dates for submissions to granting agencies for research funds, exchange programs, and travel grants is published every month in *Folio*. In order to allow sufficient time for processing, all applications should reach the Research Grants and Contracts Office at least ten days before the deadline date. Where other University resources are involved, the time requirement may be much longer than ten days and such applications should therefore be submitted well in advance. An extra copy of the application should be provided for the Research Grants and Contracts Office.

Further information may be obtained by consulting the *Calendar of Granting Agencies for Research Funds, Exchange Programs, and Travel Grants*, which is available in the offices of Deans, Directors of Institutes, Centres, and Schools, and Department Chairmen, or by telephoning the Research Grants and Contracts Office, 432-2002. Note: Although the *Calendar* is updated on a continuous basis, the following information is subject to change without notice. If staff members have advance information on forthcoming changes, the Research Grants and Contracts Office would appreciate being advised.  
**Code:** (R) Research Funds; (E) Exchange programs; (T) Travel grants.

Granting Agency	Deadline Date
Agriculture Canada—Extra-Mural Research Grants (R) Calendar Source 10	1 Oct.
Alberta Environmental Research Trust (R) Calendar Source 17	1 Oct.
American Philosophical Society (R) Calendar Source 25	10 Oct. 12 Dec. 6 Feb. 10 Apr. 14 Aug.
The Arthritis Society (R) Calendar Source 27	15 Oct.
Canada Council—Killam Program (R) Calendar Source 56	1 Oct.
Canadian Cystic Fibrosis Foundation (R/T) Calendar Source 75	1 Oct.
Canadian Heart Foundations (R) Calendar Source 85	1 Oct.
Multiple Sclerosis Society of Canada (R) Calendar Source 259	1 Oct. 1 Apr.

Natural Sciences and Engineering Research Council Canada (Nuffield Visiting Lectureships in Science) (E) Calendar Source 302	1 Oct.
James Picker Foundation (Picker Scholarships) (R) Calendar Source 350	1 Oct.
Social Sciences and Humanities Research Council (R) Calendar Source 390	15 Oct. 15 May
Social Sciences and Humanities Research Council—Program Administered on Behalf of the Department of External Affairs—Exchange of Researchers With France (E) Calendar Source 396	1 Oct.
Social Sciences and Humanities Research Council—Exchange Program With Japan (E) Calendar Source 397	1 Oct.
Social Sciences and Humanities Research Council—Exchange Program With the USSR (E) Calendar Source 398	1 Oct.
Social Sciences and Humanities Research Council—Exchange Program With Hungary (E) Calendar Source 399	1 Oct.
Social Sciences and Humanities Research Council—Leave Fellowships (T) Calendar Source 400	1 Oct.
US Department of Health, Education, and Welfare— (R) Calendar Source 420	1 Oct.
New and Supplemental	1 July 1 Nov. 1 Mar.
Renewals	1 Oct. 1 Feb. 1 June

Positions Vacant

**SUB Theatre**  
Commencing September 1980, SUB Theatre requires casual employment for the following positions: Cashiers, ticket takers, ushers, and stage technicians. For further information, call Mark Macklam at 432-4779.

**Non-Academic Positions**  
To obtain further information on the following positions, please contact Personnel Services and Staff Relations, third floor, SUB, telephone 432-5201. Please do not contact the department directly. Positions available as of 29 August 1980.

Clerk (\$830.15-\$893.47)—Printing Services; Office of the Comptroller	
Library Clerk I (\$830.15-\$922.13)—Extension Library (Term); Extension Library	

Financial Records Clerk (\$830.15-\$991.42)—Printing Services	
Clerk Typist II (\$830.15-\$991.42)—Purchasing Housing and Food Services; Graduate Studies and Research; Office of the Comptroller—Payroll; Office of the Comptroller (Term) (2 positions)	
Clerk Steno II (\$861.22-\$1,030.83)—Audiovisual Mdia Centre; Anatomy; Education—Student Records Office; Technical Services	
Duplicating Equipment Operator II (\$893.47-\$1,069.05)—Law	
Switchboard Operator (\$893.47-\$1,069.05)—Administrative Services	
Data Entry Operator I (\$922.13-\$1,109.66)—Printing Services; Bookstore (2 positions)	
Clerk Typist III (\$922.13-\$1,109.66)—Administrative Services	
Dental Records Clerk (\$922.13-\$1,109.66)—Dentistry; Dentistry (Recurring Term)	
Library Assistant I (\$959.16-\$1,157.44)—Extension Library	
Clerk Steno III (\$959.16-\$1,157.44)—Vice-President—Academic; Canadian Institute of Ukrainian Studies; Electrical Engineering	
Data Entry Operator II (\$991.42-\$1,205.22)—Computing Services	
Medical Steno (\$1,030.83-\$1,257.77)—Psychiatry	
Dental Assistant Supervisor (\$1,030.83-\$1,257.77)—Mobile Dental Clinic (Trust)	
Administrative Clerk (\$1,069.05-\$1,309.14)—Personnel Services and Staff Relations; Administrative Services	
Secretary (\$1,069.05-\$1,309.14)—Medical Laboratory Sciences; Dental Clinical Scinces; Obstetrics and Gynaecology; University Health Services	
Library Assistant II (\$1,069.05-\$1,309.14)—Extension—Legal Resource Centre	
Medical Records Librarian I (Term) (\$1,069.05-\$1,309.14)—Pathology	
Departmental Secretary (\$1,205.22-\$1,484.74)—Library Science	
Laboratory Assistant I (Part time) (\$376.86-\$446.74)—Entomology (Term, Trust)	
Typographical Trainee (\$801.50-\$959.16)—Printing Services	
Security Watchman (\$861.22-\$1,030.83)—Housing and Food Services	
Computer Assistant II (\$991.42-\$1,205.22)—Computing Services (2 positions)	
Storeman II (Part time) (\$1,030.83-\$1,257.77)—Full Time Equivalent)—Introductory Biology Program	
Pool Operations Attendant (\$1,069.05-\$1,309.14)—Physical Education and Recreation	
Technician I (\$1,069.05-\$1,309.14)—Anatomy; Medicine (Term); Zoology	
Audio Visual Technician I (\$1,069.05-\$1,309.14)—Language Laboratories	
Biochemistry Technician I (\$1,069.05-\$1,309.14)—Forest Science (Term)	
Technician ITechnologist I (I,609.05-\$1,484.74)—Physiology	
Building Services Worker IV (\$1,157.44-\$1,423.81)—Physical Plant	
Electronics Technician I (\$1,157.44-	

\$1,423.81)—Technical Services	
Computer Operator I (\$1,157.44-\$1,423.81)—Computing Services	
Post Office Supervisor (\$1,157.44-\$1,423.81)—Scheduled Distribution	
Storeman III (Part time) (\$1,205.22-\$1,484.73)—Full Time Equivalent)—Chemistry (Term)	
Audio Visual Technician II (\$1,205.22-\$1,484.74)—Language Labs	
Technologist I (\$1,205.22-\$1,484.74)—Zoology; Anthropology	
Biochemistry Technologist I (\$1,205.22-\$1,484.74)—Microbiology (Trust); Biochemistry	
Chemical Technologist I (\$1,205.22-\$1,488.74)—Home Economics	
Programmer Analyst I (\$1,257.77-\$1,550.43)—Genetics	
Art Technician Demonstrator I (\$1,309.14-\$1,617.33)—Art and Design	
Electronics Technician II (\$1,309.14-\$1,617.33)—Animal Science (Trust); Physical Education	
Electronics Technician II/III (\$1,309.14-\$1,843.07)—Computing Science	
Biology Technologist II (\$1,365.29-\$1,690.17)—Genetics	
Technician III (\$1,365.29-\$1,690.17) Home Economics; Physics	
Electronics Technician III (\$1,484.74-\$1,843.07)—Physics (2 positions)	
Engineering Technologist III (\$1,484.74-\$1,843.07)—Physical Plant	
Programmer/Analyst II (\$1,484.74-\$1,843.07)—Chemical Engineering	
Programmer/Analyst II/III (\$1,484.74-\$2,195.45)—Administrative Systems (2 positions); Computing Services (2 positions)	
Administrative Assistant II (\$1,550.43-\$1,924.21)—Personnel Services and Staff Relations	
Biology Technician IV (\$1,550.43-\$1,924.21)—Genetics	
Programmer/Analyst III (\$1,763.03-\$2,195.45)—Computing Services (2 positions)	
Supervisor Printing/Duplicating (\$1,843.07-\$2,296.97)—Printing Services	
Engineering Technologist V (\$1,924.31-\$2,400.90)—Physical Plant	

The following is a list of currently available positions in the University of Alberta Libraries. The bulletin board in the Cameron Library, Room 512, should be consulted for further information as to availability and position requirements.

Library Clerk III (\$893.47-\$1,069.05)—Cataloguing  
Senior Clerk (\$893.47-\$1,069.05)—Accounting  
Library Assistant I (\$959.16-\$1,157.44)—Cataloguing; Acquisitions

Advertisements

Advertisements must reach the Editor by 3 p.m. on the Thursday prior to publication date which date also serves as the deadline for cancellation of advertisements. The cost of placing advertisements is 20 cents per word for the first week and 10 cents per word for subsequent weeks ordered before the next deadline. Advertisements

*must be paid for in advance, and are accepted at the discretion of the Editor. We regret that no advertisements can be taken over the telephone. For order forms or further information, telephone 432-2325.*

#### *Accommodations available*

For sale—Belgravia. Semi-bungalow, 1,394 sq. ft., spaciouly redeveloped, park-like lot on quiet crescent. By owner 434-4863..

For rent—Four bedroom house, furnished. 23 December 1980 to 1 August 1981. One mile south of Sherwood Park. Three cats. \$500 monthly plus utilities. 467-1402 or 432-2359.

For sale—Charming, 1½ storey, 1,300 sq. ft. bungalow in Mill Creek area. Features hardwood floors and fireplace. Immaculate. Call Barb Kagan 452-4660, 452-1055. Buxton Real Estate.

For sale—By owner. Three bedroom, 1,170 sq. ft. condominium in Millwoods. Large family kitchen, 1½ baths, fully carpeted, carport, private patio, balcony, children's playground. Quiet location, yet close to schools, shopping centre. Direct bus to University, downtown. Excellent financing, asking \$59,500. 432-5653 or 462-9526 after 6 p.m.

For sale—Forty serene acres for communing with nature, large unique home built to harmonize with ecology and save energy. Call Gordon 437-2345. Century 21 Douglas Real Estate Ltd.

For sale—Royal Gardens. Immaculate, four bedroom, two storey, close to all-level schools, shopping and Confederation Pool. Mortgage of \$50,000 at 10¼%. Asking \$107,500. Call Pat von Borstel. Res. 437-6540, bus. 436-5250. Spencer Real Estate.

For sale—Cozy bungalow on University Avenue. Close to University. Exceptional lot RCI, for residence revenue or duplex. Pat von Borstel res. 437-6540, bus. 436-5250 Spencer Real Estate.

For sale—By owner. Sherwood Park. Four level split, four bedrooms, two bathrooms, large family room, fireplace. \$93,900. 467-2883.

For sale—By owner. Remodelled, three bedroom bungalow, 1,460 sq. ft. 7311 118A Street. Belgravia. 436-4746. \$141,900.

For sale—Two bedroom house, RCI zoning. \$58,700. 455-0219 University area.

For sale—Four bedroom, Ace Lang, two storey. Ermineskin. Family room features fireplace, sliding doors to covered patio. \$153,500. Joyce Byrne. Spencer Real Estate Ltd. 435-6064, 436-5250.

For sale—Parkallen is the place. Close to University, schools, shopping and still affordable. This semi-bungalow with its three bedrooms, large, bright living room, family sized kitchen can be yours for an asking price of

\$88,750. A little creativity could transform the upper level into a delightful master bedroom suite. Immediate possession can be arranged. To view call Kay Patterson at Spencer Real Estate Ltd. 436-5250 or res. 435-8003.

For sale—Millcreek. Just listed!

Vintage home, built in 1925, over 2,000 sq. ft. including four bedrooms plus den. Hardwood floors, French doors, located on double lot, one block off ravine, ten minutes to University. Spencer Real Estate. Sherry Belcourt. 483-7170, 452-4950.

For rent—Furnished, newly renovated house in Old Glenora, ten minutes from University, three bedrooms, three bathrooms. January - July 1981. \$775 per month. 432-5537 or 452-7424.

For sale—Prestigious North Duggan. Four level, split, five bedroom, three baths, family room, fireplace, patio, double attached garage. Immediate occupancy. Super value for \$134,200. Phone Reina or Matt, Royal Trust 435-4869. Res. 436-2556.

For sale—Southwest. Quiet street, near schools, buses, three years old, three bedroom bungalow. Double attached garage, three baths, two open fireplaces, completely developed basement. \$112,900. Reina Proudfoot. Royal Trust. 435-4869, 436-2556.

For rent—Two bedroom house. Garage, stove, fridge, dryer. Carpeted throughout, eight minutes from University and downtown. Available 1 November. Family preferred. 439-1705 after 5 p.m.

For sale—Exceptional value. Three bedroom, 1½ baths, townhouse/condominium in Blue Quill. Must sell. \$5,000 cash to mortgage (10½%). Call Calgary 248-4154 evenings.

For rent—Belgravia. Three bedroom house. Furnished. Large garden. Excellent condition and location. January to August 1981. \$625 monthly. 432-4624, 435-2207.

For rent—Luxurious, two bedroom fully furnished, elegant suite. 1 - 2 years, to mature couple. Two blocks to University. "Claridge House." Perfect for professor or executive. Swimming pool and many extras. 484-7152 Shirley.

For sale—Aspen Gardens. Three bedroom bungalow. Quiet location. View. Modern decor, fireplace, fully developed basement. Double garage. Extras, \$99,800. Priced for quick sale. 434-9267.

For sale—North Windsor Park, on mature treed lot, two bedroom bungalow. Hardwood floors, high ceiling, undeveloped basement, R.I.D.P., double tandem garage. Phone Reina Proudfoot. Royal Trust 435-4869, 436-2556.

#### *Automobiles and others*

1966 Citroen. Excellent condition. FM-AM stereo. \$4,400. 468-2925.

For sale—1978 Honda wagon. 463-5585.

For sale—1974 Pontiac Astre station-wagon. Two door, 54,000 miles, one

owner. 432-7859 after 5 p.m.

For sale—1964 Chevrolet Bel Air 283. Automatic, 75,000 miles, excellent condition, \$600. 435-6129 after 5 p.m. 1972 Datsun 510 stationwagon, 59,000 miles. Good condition. \$950. 436-1304.

#### *Goods for sale*

Wanted: Old, men's standard bicycle (no gears), need not be in working condition. Phone bus. 432-3711, res. 432-7016.

Alberta lambs, freezer-ready. 963-3238, 432-3414.

Beds, mattresses, springs, dressers, desks, many extras. 455-0219.

Edmonton—London, Air Canada, 22 October, two tickets (return portion of round trip), \$150 each. 436-5844 after 5 p.m.

For sale—Old, round, oak dining table and six chairs. Need refinishing. \$600. 435-6129 after 5 p.m.

#### *Services*

For rent—Plug-in parking stalls near University Hospital. Phone 433-1676.

Edmonton Yoseikan Karate Club:

Call Sport Alberta 458-0440.

Professional typing. 464-4887.

Expert typing—theses, etc. 455-0641.

Donnic Typing Services Ltd. Specializing in word processing. 301A Whyte Avenue Bldg. 10454 Whyte Avenue. 432-1419.

Carpentry, additions, counter tops, dishwashers, plumbing, painting, wallpapering, ceramic tiles, seamless tub surrounds. 453-1059.

Kozak Business Services: Typing of theses, résumés, reports, manuscripts, proposals and correspondence. Student discounts available. #305, 9924 106 Street. 423-3068, 483-6075, evenings, weekends.

Painting, wallpapering-Calico Decorators. Quality workmanship. References.

Free estimates. 436-6239.

Experienced typist: theses, reports, résumés, etc. Phone 465-3937.

Concrete crack repair for structural or waterproofing purposes. Call 436-6252.

Yoga for better health: Keep-fit yoga offers classes Wednesday 5 p.m. and 6:30 p.m. at University, Starts 24 September. Twelve weeks. Fee \$35, full-time students \$25, part-time students and employees \$30.

Registration Room 9, Floor 14, Tory Building, 17 September, 5-6:30 p.m. Pre-registration and information: Box 184, University Post Office.

Expert tailor. Men's and women's alterations. 487-3053. 8903 180 Street.

Dishwashing help wanted. Research laboratory. Hours flexible, 6-8/weekly. \$150/month. Contact 432-6280.

Cold-sores, fever blisters. We are assessing the effect of a new ointment. If interested please contact as soon as a blister begins. 432-6231, 432-6280.

I am researching the effects of becoming a mother on women's self-concepts and would like to interview women who are now pregnant or have recently had their first child. If interested in sharing your experiences, please contact Janet at 432-3226 or 487-2249 after 24 August.

Spanish for travelling. Mini-courses. Professor Alonso. 439-9125.

Speedy typing, variety of elements/styles. Reasonable rates. 433-3755 evenings.

Atelier de Celles. Children's art instruction: group/private lessons. 433-0044 Raymond Gariépy.

Typing service in Leduc. 986-0974. Worked with University of Guelph students last year.

Babysitter/housekeeper wanted to come in five days per week. Effective 1 October. References required. For interview phone 436-8303 after 6 p.m.

## Building Couple Relationships

A workshop to stimulate the growth of more meaningful relationships.

7:00 p.m. Friday, September 12 to

6:00 a.m. Sunday, September 14.

*\$100/couple or \$65/individual*

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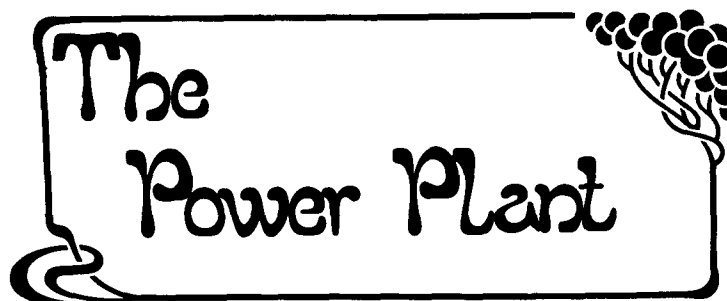


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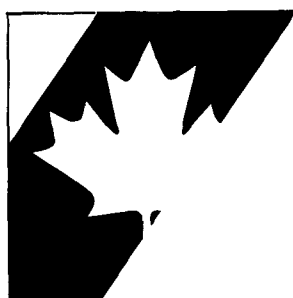
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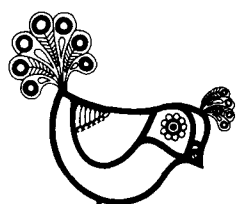
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THE POWER  
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Thursday Sept. 4, 8:00 pm.

Caribbean Express Steel Band

\$1.50 for members

\$3.00 for non-members

Saturday Sept. 6.

Bunnie's Disco

\$1.00 for non-members

Tuesday Sept. 9.

Sweet Grass (Bluegrass)

Free! (members and guests only)

Saturday Sept. 13, 8:00 pm.

The Evans All Weather Orchestra

(Rhythm and Blues)

\$1.25 for members

\$2.50 for non-members

Tickets are available in advance or at the  
door. The Power Plant is located north of  
Dentistry-Pharmacy, look for the chimneys.